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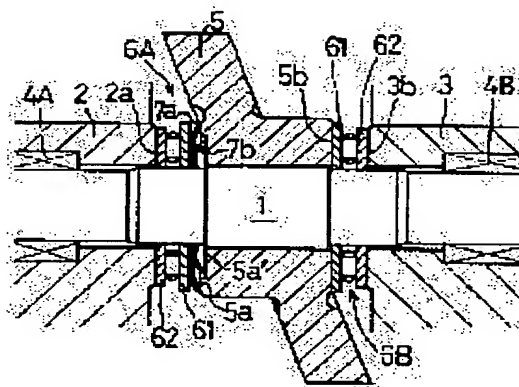
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(54) DOUBLE HEAD CAM PLATE TYPE COMPRESSOR

(57)Abstract:

PURPOSE: To pertinently keep the reduction of consumption power compatible with the restraint of a vibration by superposing two elastic members between a thrust bearing and a pressure bearing seat formed on the boss of a cam plate for incremental collision with the thrust bearing.

CONSTITUTION: The first disc spring 7a is laid between a pressure bearing seat 5a and a front thrust bearing 6A. In addition, the second disc spring 7b is laid between a pressure bearing seat 5a' and the bearing 6A, so as to keep a standby state via the required gap and collide with the bearing 6A, depending on a load. In this case, the spring constant of the first disc spring 7a is set to match a low-pressure operation and consequently the support rigidity of a cam plate 5 also becomes very low, thereby keeping consumption power at a sufficiently low value. At the time of a high-pressure operation with delivery pressure raised for some unknown factor, the resultant elastic reaction force of both of the springs 7a and 7b reasonably increases the support rigidity of the cam plate 5. According to this construction, the vibration and noise of the cam plate 5 can be pertinently restrained.



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